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2 WHAT IS CLAIMED IS:

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4 1. A game controller for communication between a user and an electronic  
5 game device transmitting signals to a receiver, comprising:

6 a portable housing;

7 game controller keys attached to said housing for permitting the user to  
8 generate signals;

9 a radio frequency sender engaged with said game controller keys for  
10 transmitting the signals to the receiver; and

11 a controller attached to said sender for determining a selected parameter  
12 regarding the signals and for communicating said parameter to the user.

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14 2. A game controller as recited in Claim 1, wherein said radio frequency  
15 sender is capable of transmitting signals over multiple frequencies.

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17 3. A game controller as recited in Claim 2, wherein at least one of said  
18 keys is operable by the user to change the signal frequency transmitted by said  
19 radio frequency sender.

20

21 4. A game controller as recited in Claim 2, wherein said controller is  
22 capable of changing the signal frequency transmitted by said radio frequency  
23 sender.

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25           5. A game controller as recited in Claim 4, wherein said controller is  
26 capable of identifying the strength of a signal transmitted by said radio frequency  
27 sender and is capable of changing the signal frequency to a stronger frequency.

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29           6. A game controller as recited in Claim 2, wherein said controller is  
30 capable of polling information regarding the selected parameter over a discrete  
31 time period, and is further capable of determining whether said polled information  
32 exceeds a selected threshold.

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34           7. A game controller as recited in Claim 6, wherein said controller is  
35 capable of changing the signal frequency if said polled information is less than a  
36 selected threshold.

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38           8. A game controller as recited in Claim 7, wherein said controller is  
39 capable of changing the signal frequency if said polled information is less than a  
40 selected threshold over two consecutive discrete time periods.

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42           9. A game controller as recited in Claim 7, wherein said controller is  
43 capable of polling information at the changed frequency to determine whether  
44 said polled information exceeds a selected threshold.

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46           10. A game controller as recited in Claim 6, further comprising a display  
47 engaged with said controller for communicating to the user a message regarding  
48 said polled information.

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50           11. A game controller as recited in Claim 10, wherein said display  
51 comprises a light.

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53           12. A game controller as recited in Claim 11, wherein said controller is  
54 capable of controlling the duration of said light operation.

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56           13. A game controller as recited in Claim 11, wherein said controller is  
57 capable of controlling the frequency of said light operation.

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59           14. A game controller as recited in Claim 2, wherein said radio frequency  
60 sender is capable of transmitting signals at frequencies between 315 to 319  
61 MHz.

62           15. A game controller for communication between a user and an  
63   electronic game device transmitting signals to a receiver, comprising:  
64           a portable housing;  
65           game controller keys attached to said housing for permitting the user to  
66   generate signals;  
67           a radio frequency sender engaged with said game controller keys for  
68   transmitting the signals to the receiver over a plurality of frequencies; and  
69           a controller attached to said sender for determining the strength of the  
70   transmitted signals and for communicating to the user information regarding said  
71   signal strength.

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73           16. A game controller as recited in Claim 15, wherein said controller is  
74   capable of identifying whether said signal strength is less than a selected  
75   amount, and is further capable of changing said radio frequency sender to  
76   another frequency having a signal strength exceeding the selected amount.

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78           17. A game controller as recited in Claim 15, wherein said controller is  
79   capable of polling information regarding the signal strength over a discrete time  
80   period, and is further capable of displaying said information.

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82           18. A game controller as recited in Claim 15, further comprising a display  
83   engaged with said controller for communicating to the user a message regarding  
84   said information.

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86           19. A game controller as recited in Claim 18, wherein said display  
87 comprises a light and said controller is capable of controlling the duration of said  
88 light operation.

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90           20. A game controller as recited in Claim 18, wherein said display  
91 comprises a light and said controller is capable of controlling the frequency of  
92 said light operation.